

96% SULPHURIC ACID – HIGH GRADE

CAS No. 007664-93-9 **EC No.** 231-639-5

INEOS Enterprises produce a range of sulphuric acid and related sulphur chemicals at its Runcorn site in the UK. High grade 96% sulphuric acid finds application across many market sectors but specifically as a pH regulating agent, in pharmaceuticals and as a laboratory reagent. This product meets the requirements of BS EN 899:2009.

Specifications

Parameter	Units	Specification	Typical Value
Sulphuric Acid	% w/w	95.5 - 96.5	96.3
Colour	Hazen	≤ 10	<5
Turbidity	NTU	≤ 30	8
Iron (Fe)	ppm w/w	≤ 25	8
Residue on Ignition	ppm w/w	≤ 50	14
Reducing Substances as SO ₂	ppm w/w	≤ 10	5
Oxides of Nitrogen (Nox)	ppm w/w	≤ 10	2
Ammonia (NH ₃)	ppm w/w	≤ 2	1
Chloride (Cl)	ppm w/w	≤ 2	<1
Antimony (Sb)	ppm w/w	≤ 0.02	<0.01
Arsenic (As)	ppm w/w	≤ 0.02	<0.01
Cadmium (Cd)	ppm w/w	≤ 0.01	<0.005
Chromium (Cr)	ppm w/w	≤ 1.5	0.6
Copper (Cu)	ppm w/w	≤ 0.2	0.03
Lead (Pb)	ppm w/w	≤ 0.05	<0.025
Manganese (Mn)	ppm w/w	≤ 0.5	0.09
Mercury (Hg)	ppm w/w	≤ 0.01	0.008
Nickel (Ni)	ppm w/w	≤ 1	0.35
Selenium (Se)	ppm w/w	≤ 0.02	<0.01
Zinc (Zn)	ppm w/w	≤ 0.1	<0.025

Specification reference: 55354350/REV6

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Typical Physical Properties

Parameter	Conditions	Units	Typical Value
Form	-	-	Liquid
Boiling point	-	°C	303
Melting point	-	°C	-14.0
Vapour pressure	20°C	mm Hg	<0.001
Density	20°C	g/ml	1.835
Solubility in water	-	-	Soluble with evolution of heat

Health and Safety

Sulphuric acid is corrosive and causes severe skin burns and eye damage. Refer to the Material Safety Data Sheet for further information.

Delivery

96% Sulphuric acid is supplied in general purpose bulk road tankers.

Enquiries

For further information, please contact your customer service.

www.ineosenterprises.com

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